

DERWENT-ACC-NO: 1997-029987

DERWENT-WEEK: 199703

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TITLE: Engine equipped with mechanical turbo charger - performs  
dynamic pressure charging after setting turning point of  
dynamic pressure charging of suction in high speed  
rotation region

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PRIORITY-DATA: 1995JP-0094803 (April 20, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08291713 A	November 5, 1996	N/A	006	F02B 027/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 08291713A	N/A	1995JP-0094803	April 20, 1995

INT-CL (IPC): F02B027/00, F02B027/02, F02B033/44, F02D013/02,  
F02D023/00, F02D043/00, F02M025/07

ABSTRACTED-PUB-NO: JP 08291713A

BASIC-ABSTRACT:

The engine comprises a mechanical turbo charger (13), which performs pressure charging even at high on-load condition. An exhaust gas recirculation part is provided at the high speed rotation region, where maximum torque is applied and a suction passage (4) is formed at the upstream side of the turbo charger in the high load region.

The gas recirculation part recirculates the EGR gas into the suction passage. The turning point of dynamic pressure charging of suction in the high speed rotation region is set and then dynamic pressure charging is performed.

ADVANTAGE - Improves reliability by reducing temperature of air discharged from turbo charger of suction system. Improves efficiency of suction system.

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: ENGINE EQUIP MECHANICAL TURBO CHARGE PERFORMANCE DYNAMIC  
PRESSURE

CHARGE AFTER SET TURN POINT DYNAMIC PRESSURE CHARGE SUCTION HIGH  
SPEED ROTATING REGION

DERWENT-CLASS: Q52 Q53 X22

EPI-CODES: X22-A03C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-025278